



Express Mail No. EV336598782US

PATENT

7/23/03  
P. J. Denman

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : David S. Wardrop et al.  
Application No. : 10/017,483  
Filed : December 14, 2001  
For : FUEL CELL SYSTEM SHUNT REGULATOR METHOD AND APPARATUS  
Examiner : Raymond Alejandro  
Art Unit : 1745  
Docket No. : 130109.431  
Date : July 14, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RESPONSE TO RESTRICTION REQUIREMENT WITH TRAVERSE

Commissioner for Patents:

In response to the Restriction Requirement mailed June 18, 2003, please consider the following remarks in respect to our election and traverse of the Restriction Requirement made therein.

REMARKS

Claims 1-20 are currently pending in this application. No fee is due by way of this Response. The Assistant Commissioner is hereby authorized to charge any amount found owing, or to credit any amount overpaid in this application to our Deposit Account No. 19-1090.

The Examiner has restricted the claims between Group I (claims 1-9), Group II (claims 10-15) and Group III (claims 16-20). The Examiner further restricts the claims of Groups I and II into four species (*i.e.*, N-channel FET, P-channel FET, N-channel Bipolar, P-channel Bipolar). The Examiner further restricts the claims of Group III into two species (*i.e.*, determining a voltage across a portion of a fuel cell stack; determining a voltage across a power bus of a fuel cell stack).

Applicants elect the claims of Group I, and particularly claims 1-7 and 9, and traverse the restriction requirement with respect to the remaining claims 8, 10-20, for the reasons stated below.

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Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(To be used for all correspondence  
after initial filing)

Application Number	10/017,483
Filing Date	December 14, 2001
First Named Inventor	David S. Wardrop
Group Art Unit	1745
Examiner Name	Raymond Alejandro
Attorney Docket No.	130109.431

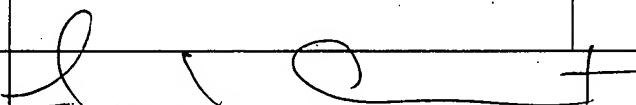
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## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement; Form PTO-1449 <input type="checkbox"/> Cited References <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53 <input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Request for Corrected Filing Receipt <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Declaration <input type="checkbox"/> Statement under 37 CFR 3.73(b) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund	<input type="checkbox"/> CD(s), Number of CD(s) _____ <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Return Receipt Postcard <input type="checkbox"/> Additional Enclosure(s) (please identify below): <hr/> <hr/> <hr/> <hr/>
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## Remarks

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Individual Name	Frank Abramonte	 00500 PATENT TRADEMARK OFFICE
Signature		
Date	July 14, 2003	

## CERTIFICATE OF MAILING

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